

Unified Application System 10

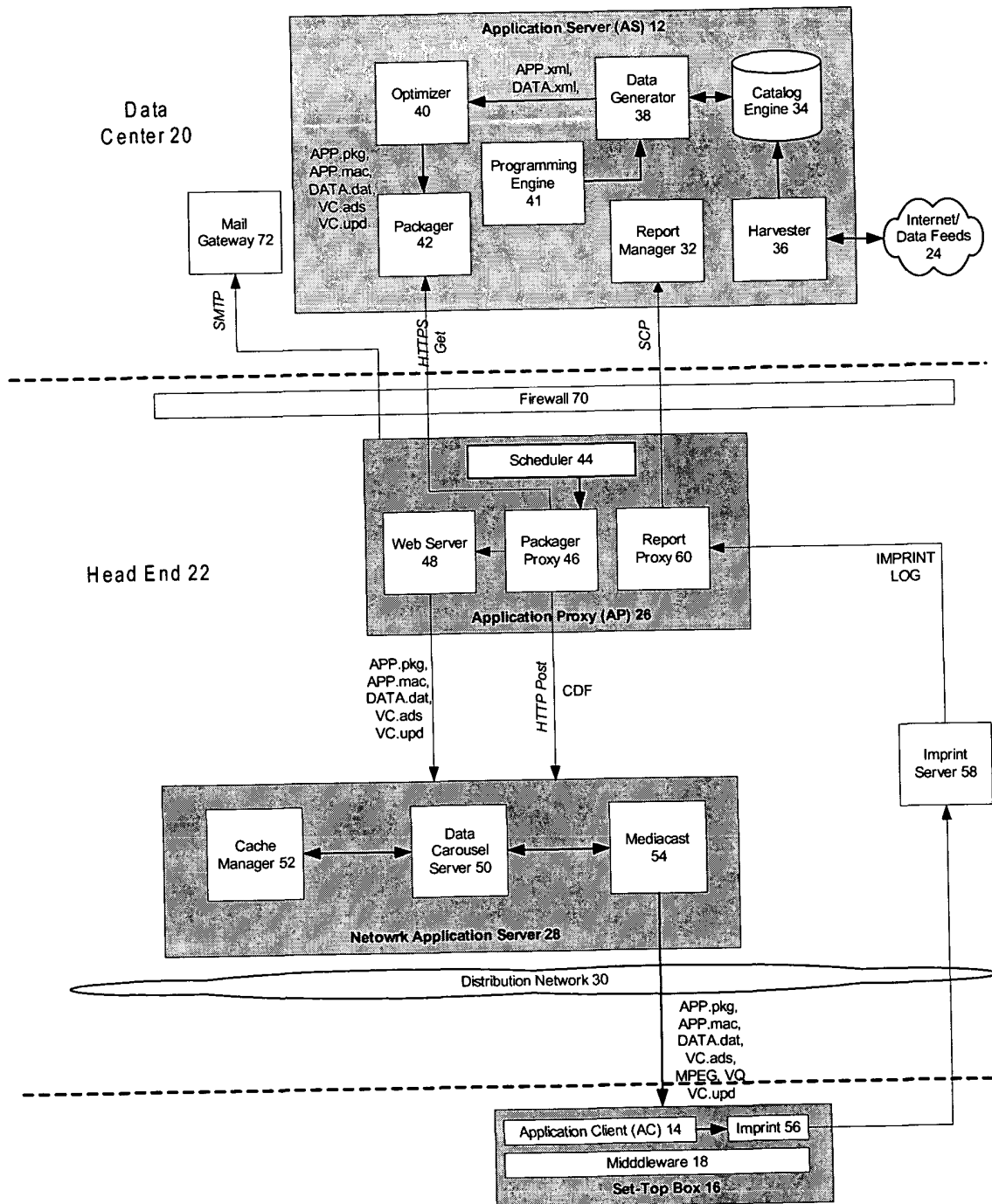


Fig. 1

Unified Application System 10

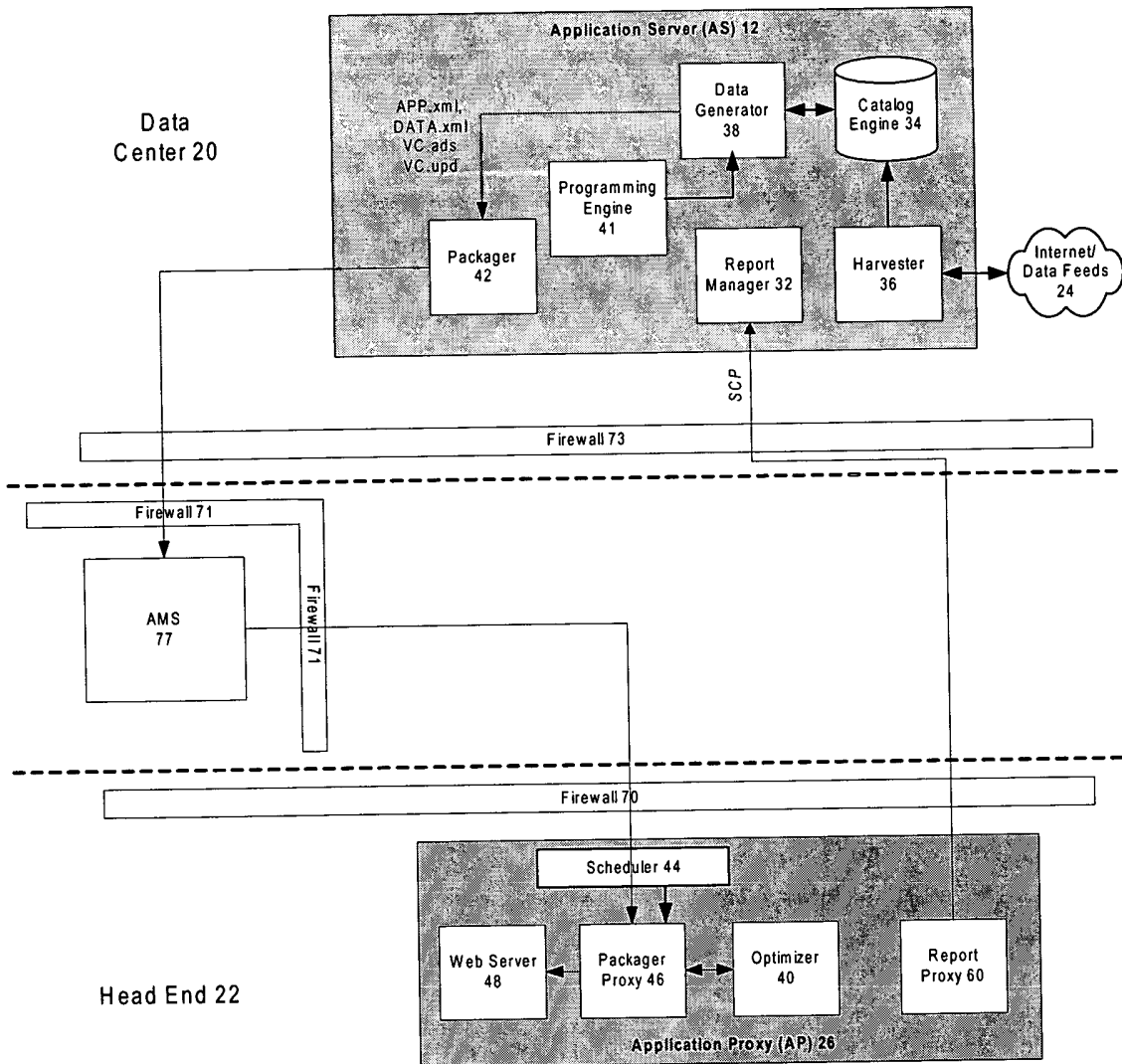


Fig. 1A

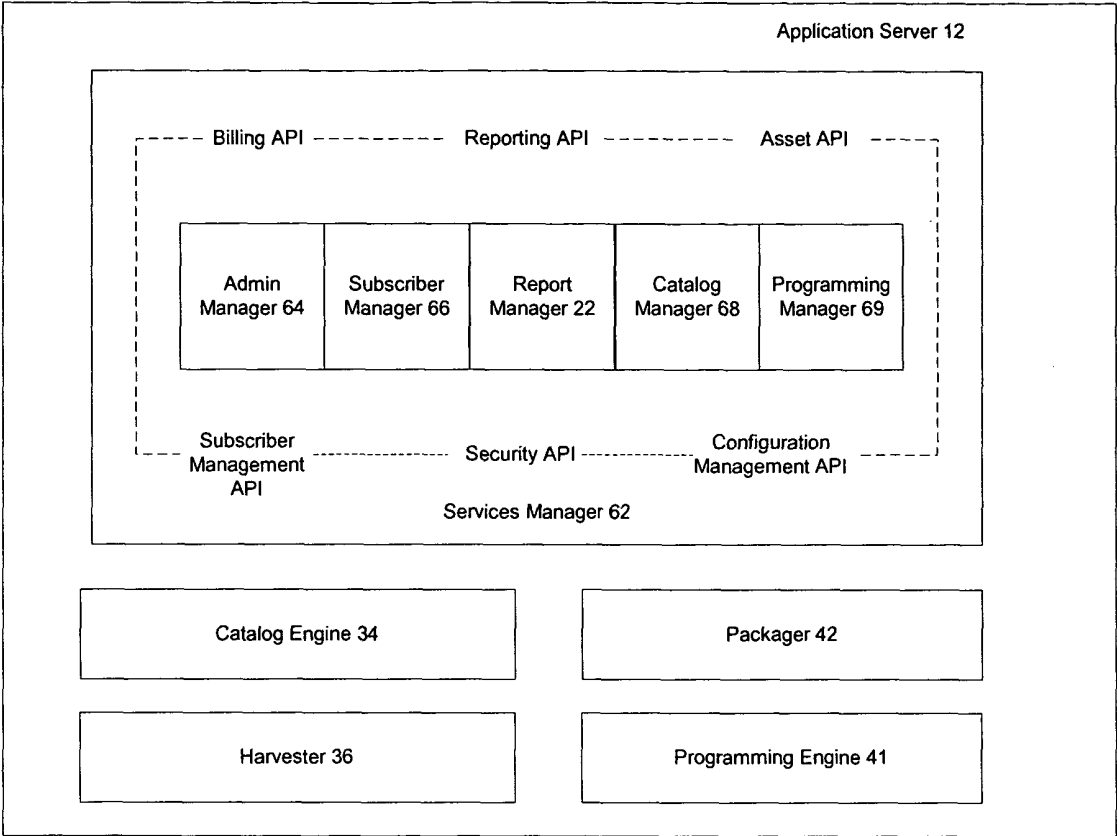


Fig. 2

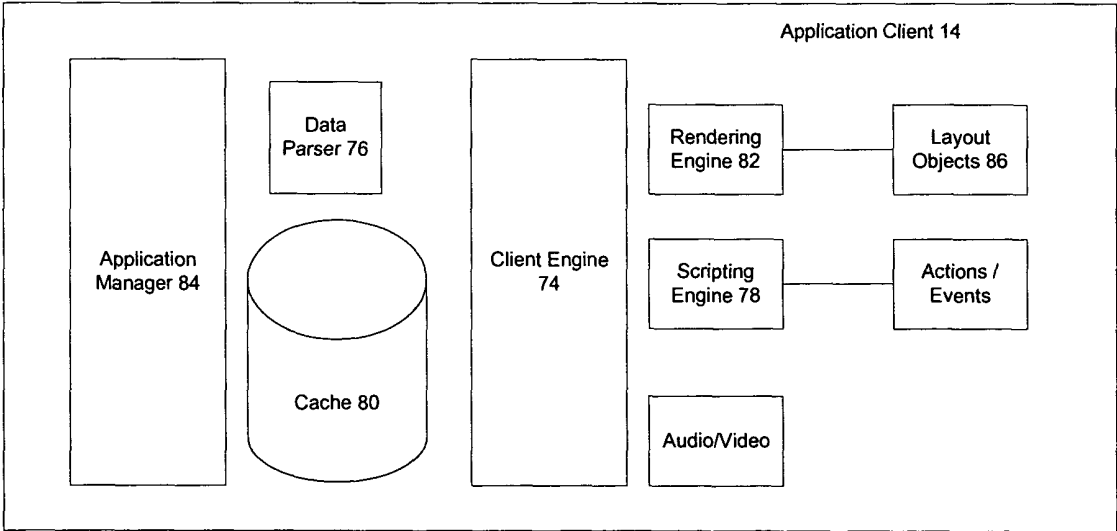


Fig. 3

Schema **macjc_1_0.xsd**

Elements	Simple types
<u>ad</u>	<u>adtype</u>
<u>br</u>	<u>align</u>
<u>button</u>	<u>channel</u>
<u>checkbox</u>	<u>height</u>
<u>color</u>	<u>layer</u>
<u>datatable</u>	<u>offsetx</u>
<u>event</u>	<u>offsety</u>
<u>group</u>	<u>plane</u>
<u>image</u>	<u>style</u>
<u>include</u>	<u>type</u>
<u>mac</u>	<u>valign</u>
<u>navitem</u>	<u>value</u>
<u>navmap</u>	<u>width</u>
<u>navtemplate</u>	<u>x</u>
<u>p</u>	<u>y</u>
<u>page</u>	
<u>palette</u>	
<u>radio</u>	
<u>radiogroup</u>	
<u>rect</u>	
<u>select</u>	
<u>text</u>	
<u>timer</u>	
<u>var</u>	
<u>video</u>	

Fig. 4A

|

element **ad**


diagram						
used by	elements <u>group</u> <u>page</u>					
attributes	Name	Type	Use	Default	Fixed	Annotation
	height	height	required			
	link	xsd:IDREF	optional			
	width	width	required			
	x	x	required			
	y	y	required			
	name	xsd:NMTOKEN	optional			
	adtype	adtype	optional			
	key	xsd:string	required			
	style	style		3		
	textcolor	xsd:string		black		
source	<pre> <xsd:element name="ad"> <xsd:complexType> <xsd:attribute name="height" type="height" use="required"/> <xsd:attribute name="link" type="xsd:IDREF" use="optional"/> <xsd:attribute name="width" type="width" use="required"/> <xsd:attribute name="x" type="x" use="required"/> <xsd:attribute name="y" type="y" use="required"/> <xsd:attribute name="name" type="xsd:NMTOKEN" use="optional"/> <xsd:attribute name="adtype" type="adtype" use="optional"/> <xsd:attribute name="key" type="xsd:string" use="required"/> <xsd:attribute name="style" type="style" default="3"/> <xsd:attribute name="textcolor" type="xsd:string" default="black"/> </xsd:complexType> </xsd:element> </pre>					

Fig. 4B

element **br**


diagram						
used by	element <u>text</u>					
source	<pre> <xsd:element name="br"> <xsd:complexType/> </xsd:element> </pre>					

Fig. 4C

element: **checkbox**


diagram						
attributes	Name	Type	Use	Default	Fixed	Annotation
	hidden	xsd: boolean		false		
	name	xsd:NMTOKEN	required			
	x	x	required			
	y	y	required			
	value		required			
	innercolor	xsd:string		transparent		
	outercolor	xsd:string		grey		
	filledcolor	xsd:string		black		
	checkcolor	xsd:string		gold		
	onfocus	xsd:string	optional			
	onblur	xsd:string	optional			
	onclick	xsd:string	optional			
source	<pre> <xsd:element name="checkbox"> <xsd:complexType> <xsd:attribute name="hidden" type="xsd: boolean" default="false"/> <xsd:attribute name="name" type="xsd:NMTOKEN" use="required"/> <xsd:attribute name="x" type="x" use="required"/> <xsd:attribute name="y" type="y" use="required"/> <xsd:attribute name="value" use="required"/> <xsd:attribute name="innercolor" type="xsd:string" default="transparent"/> <xsd:attribute name="outercolor" type="xsd:string" default="grey"/> <xsd:attribute name="filledcolor" type="xsd:string" default="black"/> <xsd:attribute name="checkcolor" type="xsd:string" default="gold"/> <xsd:attribute name="onfocus" type="xsd:string" use="optional"/> <xsd:attribute name="onblur" type="xsd:string" use="optional"/> <xsd:attribute name="onclick" type="xsd:string" use="optional"/> </xsd:complexType> </xsd:element> </pre>					

Fig. 4D

element **button**


diagram	
type	extension of xsd:string
used by	elements group page

Fig. 4E-1

element: **button** (continued)

attributes	Name	Type	Use	Default	Fixed	Annotation
	disabled	xsd:boolean		false		
	height	height	required			
	hidden	xsd:boolean		false		
	name	xsd:ID	required			
	width	width	required			
	x	x	required			
	y	y	required			
	onfocus	xsd:string	optional			
	onblur	xsd:string	optional			
	onclick	xsd:string	optional			
	offsetx	offsetx	optional			
	offsety	offsety	optional			
	hotspot	xsd:integer		0		
	hotspotfocus	xsd:string		gold		
	hotspotselected	xsd:string		grey		
	bgcolor	xsd:string		transparent		
	align	align	optional			
	valign	valign	optional			
	navtemplate	xsd:IDREF	optional			
	navtemplatefocus	xsd:IDREF	optional			
	navtemplateselectd	xsd:IDREF	optional			
	navtemplatedisabled	xsd:IDREF	optional			
source	<pre> <xsd:element name="button"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="disabled" type="xsd:boolean" default="false"/> <xsd:attribute name="height" type="height" use="required"/> <xsd:attribute name="hidden" type="xsd:boolean" default="false"/> <xsd:attribute name="name" type="xsd:ID" use="required"/> <xsd:attribute name="width" type="width" use="required"/> <xsd:attribute name="x" type="x" use="required"/> <xsd:attribute name="y" type="y" use="required"/> <xsd:attribute name="onfocus" type="xsd:string" use="optional"/> <xsd:attribute name="onblur" type="xsd:string" use="optional"/> <xsd:attribute name="onclick" type="xsd:string" use="optional"/> <xsd:attribute name="offsetx" type="offsetx" use="optional"/> <xsd:attribute name="offsety" type="offsety" use="optional"/> <xsd:attribute name="hotspot" default="0"> <xsd:simpleType> <xsd:restriction base="xsd:integer"> <xsd:minInclusive value="0"/> </xsd:restriction> </xsd:simpleType> </xsd:attribute> <xsd:attribute name="hotspotfocus" type="xsd:string" default="gold"/> <xsd:attribute name="hotspotselected" type="xsd:string" default="grey"/> <xsd:attribute name="bgcolor" type="xsd:string" default="transparent"/> <xsd:attribute name="align" type="align" use="optional"/> <xsd:attribute name="valign" type="valign" use="optional"/> <xsd:attribute name="navtemplate" type="xsd:IDREF" use="optional"/> <xsd:attribute name="navtemplatefocus" type="xsd:IDREF" use="optional"/> <xsd:attribute name="navtemplateselectd" type="xsd:IDREF" use="optional"/> <xsd:attribute name="navtemplatedisabled" type="xsd:IDREF" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element> </pre>					

Fig. 4E-2

element color


diagram						
used by	element <u>palette</u>					
attributes	Name	Type	Use	Default	Fixed	Annotation
	name	xsd:NMTOKEN	optional			
	value	value	required			
source	<pre><xsd:element name="color"> <xsd:complexType> <xsd:attribute name="name" type="xsd:NMTOKEN" use="optional"/> <xsd:attribute name="value" type="value" use="required"/> </xsd:complexType> </xsd:element></pre>					

Fig. 4F

element datatable


diagram						
used by	element <u>mac</u>					
attributes	Name	Type	Use	Default	Fixed	Annotation
	name	xsd:NMTOKEN	required			
	table	xsd:string	optional			
	src	xsd:string	required			
source	<pre><xsd:element name="datatable"> <xsd:complexType> <xsd:attribute name="name" type="xsd:NMTOKEN" use="required"/> <xsd:attribute name="table" type="xsd:string" use="optional"/> <xsd:attribute name="src" type="xsd:string" use="required"/> </xsd:complexType> </xsd:element></pre>					

Fig. 4G

element event


diagram						
used by	element <u>mac</u>					
attributes	Name	Type	Use	Default	Fixed	Annotation
	onkey	xsd:string	optional			
source	<pre><xsd:element name="event"> <xsd:complexType> <xsd:attribute name="onkey" type="xsd:string" use="optional"/> </xsd:complexType> </xsd:element></pre>					

Fig. 4H

element **group**

diagram						
children	<u>ad</u> <u>button</u> <u>image</u> <u>select</u> <u>text</u> <u>rect</u>					
used by	element <u>page</u>					
attributes	Name	Type	Use	Default	Fixed	Annotation
	hidden	xsd:boolean		false		
	name	xsd:NMTOKEN	required			
	x	x	required			
	y	y	required			
	prevbutton	xsd:IDREF	optional			
	nextbutton	xsd:IDREF	optional			
	paging	xsd:boolean		false		
	width	width	required			
	height	height	required			
	startindex	xsd:string		0		
source	<pre> <xsd:element name="group"> <xsd:complexType> <xsd:choice minOccurs="0" maxOccurs="unbounded"> <xsd:element ref="ad"/> <xsd:element ref="button"/> <xsd:element ref="image"/> <xsd:element ref="select"/> <xsd:element ref="text"/> <xsd:element ref="rect"/> </xsd:choice> <xsd:attribute name="hidden" type="xsd:boolean" default="false"/> <xsd:attribute name="name" type="xsd:NMTOKEN" use="required"/> <xsd:attribute name="x" type="x" use="required"/> <xsd:attribute name="y" type="y" use="required"/> <xsd:attribute name="prevbutton" type="xsd:IDREF" use="optional"/> <xsd:attribute name="nextbutton" type="xsd:IDREF" use="optional"/> <xsd:attribute name="paging" type="xsd:boolean" default="false"/> <xsd:attribute name="width" type="width" use="required"/> <xsd:attribute name="height" type="height" use="required"/> <xsd:attribute name="startindex" default="0"> <xsd:simpleType> <xsd:restriction base="xsd:string"/> </xsd:simpleType> </xsd:attribute> </xsd:complexType> </xsd:element> </pre>					

Fig. 4I

element **image**


diagram						
used by	elements group page					
attributes	Name	Type	Use	Default	Fixed	Annotation
	height	height	required			
	hidden	xsd:boolean		false		
	name	xsd:ID	optional			
	src	xsd:string	required			
	width	width	required			
	x	x	required			
	y	y	required			
	layer	layer	optional			
	bgcolor	xsd:string		transparent		
source	<pre><xsd:element name="image"> <xsd:complexType> <xsd:attribute name="height" type="height" use="required"/> <xsd:attribute name="hidden" type="xsd:boolean" default="false"/> <xsd:attribute name="name" type="xsd:ID" use="optional"/> <xsd:attribute name="src" type="xsd:string" use="required"/> <xsd:attribute name="width" type="width" use="required"/> <xsd:attribute name="x" type="x" use="required"/> <xsd:attribute name="y" type="y" use="required"/> <xsd:attribute name="layer" type="layer" use="optional"/> <xsd:attribute name="bgcolor" type="xsd:string" default="transparent"/> </xsd:complexType> </xsd:element></pre>					

Fig. 4J

element **include**


diagram						
used by	element page					
attributes	Name	Type	Use	Default	Fixed	Annotation
	src	xsd:string	required			
source	<pre><xsd:element name="include"> <xsd:complexType> <xsd:attribute name="src" type="xsd:string" use="required"/> </xsd:complexType> </xsd:element></pre>					

Fig. 4K

element mac

diagram	
children	<u>datatable var navmap event timer palette page</u>
source	<pre> <xsd:element name="mac"> <xsd:complexType> <xsd:sequence> <xsd:choice minOccurs="0" maxOccurs="unbounded"> <xsd:element ref="datatable"/> <xsd:element ref="var"/> <xsd:element ref="navmap"/> <xsd:element ref="event"/> <xsd:element ref="timer"/> </xsd:choice> <xsd:element ref="palette" minOccurs="0"/> <xsd:element ref="page" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element> </pre>

Fig. 4L

element **navitem**


diagram						
used by	element navmap					
attributes	Name	Type	Use	Default	Fixed	Annotation
	object	xsd:string	optional			
	navup	xsd:string	optional			
	navdown	xsd:string	optional			
	navleft	xsd:string	optional			
	navright	xsd:string	optional			
source	<pre> <xsd:element name="navitem"> <xsd:complexType> <xsd:attribute name="object" type="xsd:string" use="optional"/> <xsd:attribute name="navup" type="xsd:string" use="optional"/> <xsd:attribute name="navdown" type="xsd:string" use="optional"/> <xsd:attribute name="navleft" type="xsd:string" use="optional"/> <xsd:attribute name="navright" type="xsd:string" use="optional"/> </xsd:complexType> </xsd:element> </pre>					

Fig. 4M

element **navmap**


diagram						
children	navitem					
used by	element mac					
source	<pre> <xsd:element name="navmap"> <xsd:complexType> <xsd:sequence minOccurs="0" maxOccurs="unbounded"> <xsd:element ref="navitem"/> </xsd:sequence> </xsd:complexType> </xsd:element> </pre>					

Fig. 4N

element **navtemplate**


diagram						
used by	element page					
attributes	Name	Type	Use	Default	Fixed	Annotation
	name	xsd:ID	optional			
	textcolor	xsd:string		black		
	style	style		3		
	color	xsd:string		transparent		
	leftcolor	xsd:string		transparent		
	rightcolor	xsd:string		transparent		
	topcolor	xsd:string		transparent		
	bottomcolor	xsd:string		transparent		
source	<pre><xsd:element name="navtemplate"> <xsd:complexType> <xsd:attribute name="name" type="xsd:ID" use="optional"/> <xsd:attribute name="textcolor" type="xsd:string" default="black"/> <xsd:attribute name="style" type="style" default="3"/> <xsd:attribute name="color" type="xsd:string" default="transparent"/> <xsd:attribute name="leftcolor" type="xsd:string" default="transparent"/> <xsd:attribute name="rightcolor" type="xsd:string" default="transparent"/> <xsd:attribute name="topcolor" type="xsd:string" default="transparent"/> <xsd:attribute name="bottomcolor" type="xsd:string" default="transparent"/> </xsd:complexType> </xsd:element></pre>					

Fig. 4O

element **p**


diagram						
used by	element text					
source	<pre><xsd:element name="p"> <xsd:complexType/> </xsd:element></pre>					

Fig. 4P

element **page**

diagram						
children	ad button group image include navtemplate select text rect video					
used by	element mac					
attributes	Name	Type	Use	Default	Fixed	Annotation
	background	xsd:string	optional			
	defaultfocus	xsd:string	optional			
	bgcolor	xsd:string		transparent		
	onload	xsd:string	optional			
	selectedbutton	xsd:string	optional			
	main	xsd:boolean		false		
source	<pre> <xsd:element name="page"> <xsd:complexType> <xsd:choice minOccurs="0" maxOccurs="unbounded"> <xsd:element ref="ad"/> <xsd:element ref="button"/> <xsd:element ref="group"/> <xsd:element ref="image"/> <xsd:element ref="include"/> <xsd:element ref="navtemplate"/> <xsd:element ref="select"/> <xsd:element ref="text"/> <xsd:element ref="rect"/> <xsd:element ref="video"/> </xsd:choice> <xsd:attribute name="background" type="xsd:string" use="optional"/> <xsd:attribute name="defaultfocus" type="xsd:string" use="optional"/> <xsd:attribute name="bgcolor" type="xsd:string" default="transparent"/> <xsd:attribute name="onload" type="xsd:string" use="optional"/> <xsd:attribute name="selectedbutton" type="xsd:string" use="optional"/> <xsd:attribute name="main" type="xsd:boolean" default="false"/> </xsd:complexType> </xsd:element> </pre>					

Fig. 4Q

element **palette**


diagram	
children	<u>color</u>
used by	element <u>mac</u>
source	<pre> <xsd:element name="palette"> <xsd:complexType> <xsd:sequence minOccurs="0" maxOccurs="unbounded"> <xsd:element ref="color"/> </xsd:sequence> </xsd:complexType> </xsd:element> </pre>

Fig. 4R

element **radio**


diagram						
used by	element <u>radiogroup</u>					
attributes	Name	Type	Use	Default	Fixed	Annotation
	hidden	xsd:boolean		false		
	name	xsd:NMTOKEN	required			
	x	x	required			
	y	y	required			
	value		required			
	innercolor	xsd:string		transparent		
	outercolor	xsd:string		grey		
	filledcolor	xsd:string		black		
	checkcolor	xsd:string		gold		
	onfocus	xsd:string	optional			
	onblur	xsd:string	optional			
	onclick	xsd:string	optional			
source	<pre> <xsd:element name="radio"> <xsd:complexType> <xsd:attribute name="hidden" type="xsd:boolean" default="false"/> <xsd:attribute name="name" type="xsd:NMTOKEN" use="required"/> <xsd:attribute name="x" type="x" use="required"/> <xsd:attribute name="y" type="y" use="required"/> <xsd:attribute name="value" use="required"/> <xsd:attribute name="innercolor" type="xsd:string" default="transparent"/> <xsd:attribute name="outercolor" type="xsd:string" default="grey"/> <xsd:attribute name="filledcolor" type="xsd:string" default="black"/> <xsd:attribute name="checkcolor" type="xsd:string" default="gold"/> <xsd:attribute name="onfocus" type="xsd:string" use="optional"/> <xsd:attribute name="onblur" type="xsd:string" use="optional"/> <xsd:attribute name="onclick" type="xsd:string" use="optional"/> </xsd:complexType> </xsd:element> </pre>					

Fig. 4S

element **radiogroup**


diagram						
children	radio					
attributes	Name	Type	Use	Default	Fixed	Annotation
	hidden	xsd:boolean		false		
	name	xsd:NMTOKEN	required			
	initselected	xsd:IDREF	required			
	value		required			
source	<pre> <xsd:element name="radiogroup"> <xsd:complexType> <xsd:choice minOccurs="0" maxOccurs="unbounded"> <xsd:element ref="radio"/> </xsd:choice> <xsd:attribute name="hidden" type="xsd:boolean" default="false"/> <xsd:attribute name="name" type="xsd:NMTOKEN" use="required"/> <xsd:attribute name="initselected" type="xsd:IDREF" use="required"/> <xsd:attribute name="value" use="required"/> </xsd:complexType> </xsd:element> </pre>					

Fig. 4T

element rect

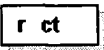
diagram						
used by	elements group page					
attributes	Name	Type	Use	Default	Fixed	Annotation
	name	xsd:NMTOKEN	optional			
	border	xsd:integer		0		
	bordercolor	xsd:string	optional			
	color	xsd:string		grey		
	x	x	required			
	y	y	required			
	xradius	xsd:integer		5		
	yradius	xsd:integer		5		
	height	height	required			
	width	width	required			
	round	xsd:boolean		false		
	hidden	xsd:boolean		false		
source	<pre> <xsd:element name="rect"> <xsd:complexType> <xsd:attribute name="name" type="xsd:NMTOKEN" use="optional"/> <xsd:attribute name="border" default="0"> <xsd:simpleType> <xsd:restriction base="xsd:integer"> <xsd:minInclusive value="0"/> </xsd:restriction> </xsd:simpleType> </xsd:attribute> <xsd:attribute name="bordercolor" type="xsd:string" use="optional"/> <xsd:attribute name="color" type="xsd:string" default="grey"/> <xsd:attribute name="x" type="x" use="required"/> <xsd:attribute name="y" type="y" use="required"/> <xsd:attribute name="xradius" default="5"> <xsd:simpleType> <xsd:restriction base="xsd:integer"> <xsd:minInclusive value="0"/> </xsd:restriction> </xsd:simpleType> </xsd:attribute> <xsd:attribute name="yradius" default="5"> <xsd:simpleType> <xsd:restriction base="xsd:integer"> <xsd:minInclusive value="0"/> </xsd:restriction> </xsd:simpleType> </xsd:attribute> <xsd:attribute name="height" type="height" use="required"/> <xsd:attribute name="width" type="width" use="required"/> <xsd:attribute name="round" type="xsd:boolean" default="false"/> <xsd:attribute name="hidden" type="xsd:boolean" default="false"/> </xsd:complexType> </xsd:element> </pre>					

Fig. 4U

element select


diagram						
used by	elements <u>group page</u>					
attributes	Name	Type	Use	Default	Fixed	Annotation
	bgcolor	xsd:string		transparent		
	height	height	required			
	hidden	xsd:boolean		false		
	name	xsd:ID	required			
	plane	plane		vertical		
	width	width	required			
	x	x	required			
	y	y	required			
	optionpad	xsd:integer		0		
	index	xsd:integer	optional			
	moreprev	xsd:IDREF	optional			
	morenext	xsd:IDREF	optional			
	onfocus	xsd:string	optional			
	onblur	xsd:string	optional			
	datasrc	xsd:string	optional			
	align	align	optional			
	valign	valign	optional			
	maxcount	xsd:integer		1		
	startindex	xsd:string		0		
	hlwidth	xsd:integer	required			
	hlheight	xsd:integer	required			
	navtemplate	xsd:IDREF	optional			
	navtemplatefocus	xsd:IDREF	optional			
	navtemplateselectd	xsd:IDREF	optional			
	navtemplatedisabled	xsd:IDREF	optional			
	onclick	xsd:string	optional			
	onfocusoption	xsd:string	optional			
	displayindex	xsd:integer		0		

Fig. 4V-1

element: select (continued)

source	<pre> <xsd:element name="select"> <xsd:complexType> <xsd:attribute name="bgcolor" type="xsd:string" default="transparent"/> <xsd:attribute name="height" type="height" use="required"/> <xsd:attribute name="hidden" type="xsd:boolean" default="false"/> <xsd:attribute name="name" type="xsd:ID" use="required"/> <xsd:attribute name="plane" type="plane" default="vertical"/> <xsd:attribute name="width" type="width" use="required"/> <xsd:attribute name="x" type="x" use="required"/> <xsd:attribute name="y" type="y" use="required"/> <xsd:attribute name="optionpad" default="0"> <xsd:simpleType> <xsd:restriction base="xsd:integer"> <xsd:minInclusive value="0"/> </xsd:restriction> </xsd:simpleType> </xsd:attribute> <xsd:attribute name="index" use="optional"> <xsd:simpleType> <xsd:restriction base="xsd:integer"> <xsd:maxInclusive value="0"/> </xsd:restriction> </xsd:simpleType> </xsd:attribute> <xsd:attribute name="moreprev" type="xsd:IDREF" use="optional"/> <xsd:attribute name="morenext" type="xsd:IDREF" use="optional"/> <xsd:attribute name="onfocus" type="xsd:string" use="optional"/> <xsd:attribute name="onblur" type="xsd:string" use="optional"/> <xsd:attribute name="datasrc" type="xsd:string" use="optional"/> <xsd:attribute name="align" type="align" use="optional"/> <xsd:attribute name="valign" type="valign" use="optional"/> <xsd:attribute name="maxcount" default="1"> <xsd:simpleType> <xsd:restriction base="xsd:integer"> <xsd:minInclusive value="1"/> </xsd:restriction> </xsd:simpleType> </xsd:attribute> </xsd:complexType> </xsd:element> </pre>
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Fig. 4V-2

element: **select** (continued)

```

</xsd:attribute>
  <xsd:attribute name="startindex" default="0">
    <xsd:simpleType>
      <xsd:restriction base="xsd:string"/>
    </xsd:simpleType>
  </xsd:attribute>
  <xsd:attribute name="hlwidth" use="required">
    <xsd:simpleType>
      <xsd:restriction base="xsd:integer">
        <xsd:minInclusive value="0"/>
      </xsd:restriction>
    </xsd:simpleType>
  </xsd:attribute>
  <xsd:attribute name="hlheight" use="required">
    <xsd:simpleType>
      <xsd:restriction base="xsd:integer">
        <xsd:minInclusive value="0"/>
      </xsd:restriction>
    </xsd:simpleType>
  </xsd:attribute>
  <xsd:attribute name="navtemplate" type="xsd:IDREF" use="optional"/>
  <xsd:attribute name="navtemplatefocus" type="xsd:IDREF" use="optional"/>
  <xsd:attribute name="navtemplatesselected" type="xsd:IDREF" use="optional"/>
  <xsd:attribute name="navtemplatedisabled" type="xsd:IDREF" use="optional"/>
  <xsd:attribute name="onclick" type="xsd:string" use="optional"/>
  <xsd:attribute name="onfocusoption" type="xsd:string" use="optional"/>
  <xsd:attribute name="displayindex" default="0">
    <xsd:simpleType>
      <xsd:restriction base="xsd:integer">
        <xsd:minInclusive value="0"/>
      </xsd:restriction>
    </xsd:simpleType>
  </xsd:attribute>
</xsd:complexType>
</xsd:element>

```

Fig. 4V-3

element text

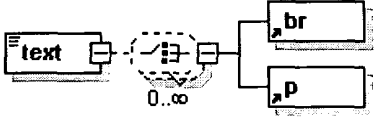
diagram						
children	<u>br p</u>					
used by	elements <u>group page</u>					
attributes	Name	Type	Use	Default	Fixed	Annotation
	border	xsd:integer		0		
	bordercolor	xsd:string	optional			
	height	height	required			
	hidden	xsd:boolean		false		
	textcolor	xsd:string		black		
	name	xsd:ID	required			
	width	width	required			
	x	x	required			
	y	y	required			
	offsetx	offsetx	optional			
	offsety	offsety	optional			
	bgcolor	xsd:string		transparent		
	prevbutton	xsd:IDREF	optional			
	nextbutton	xsd:IDREF	optional			
	style	style		3		
	paging	xsd:boolean		false		
	avoid	xsd:IDREF	optional			
	prevpage	xsd:string	optional			
	startindex	xsd:string		0		
	padding	xsd:integer		0		
	align	align	optional			
	valign	valign	optional			
	ellipsis	xsd:boolean		false		

Fig. 4W-1

element: text (continued)

source	<pre> <xsd:element name="text"> <xsd:complexType mixed="true"> <xsd:choice minOccurs="0" maxOccurs="unbounded"> <xsd:element ref="br"/> <xsd:element ref="p"/> </xsd:choice> <xsd:attribute name="border" default="0"> <xsd:simpleType> <xsd:restriction base="xsd:integer"> <xsd:minInclusive value="0"/> </xsd:restriction> </xsd:simpleType> </xsd:attribute> <xsd:attribute name="bordercolor" type="xsd:string" use="optional"/> <xsd:attribute name="height" type="height" use="required"/> <xsd:attribute name="hidden" type="xsd:boolean" default="false"/> <xsd:attribute name="textcolor" type="xsd:string" default="black"/> <xsd:attribute name="name" type="xsd:ID" use="required"/> <xsd:attribute name="width" type="width" use="required"/> <xsd:attribute name="x" type="x" use="required"/> <xsd:attribute name="y" type="y" use="required"/> <xsd:attribute name="offsetx" type="offsetx" use="optional"/> <xsd:attribute name="offsety" type="offsety" use="optional"/> <xsd:attribute name="bgcolor" type="xsd:string" default="transparent"/> <xsd:attribute name="prevbutton" type="xsd:IDREF" use="optional"/> <xsd:attribute name="nextbutton" type="xsd:IDREF" use="optional"/> <xsd:attribute name="style" type="style" default="3"/> <xsd:attribute name="paging" type="xsd:boolean" default="false"/> <xsd:attribute name="avoid" type="xsd:IDREF" use="optional"/> <xsd:attribute name="prevpage" type="xsd:string" use="optional"/> <xsd:attribute name="startindex" default="0"> <xsd:simpleType> <xsd:restriction base="xsd:string"/> </xsd:simpleType> </xsd:attribute> <xsd:attribute name="padding" default="0"> <xsd:simpleType> <xsd:restriction base="xsd:integer"> <xsd:minInclusive value="0"/> </xsd:restriction> </xsd:simpleType> </xsd:attribute> <xsd:attribute name="align" type="align" use="optional"/> <xsd:attribute name="valign" type="valign" use="optional"/> <xsd:attribute name="ellipsis" type="xsd:boolean" default="false"/> </xsd:complexType> </xsd:element> </pre>
--------	---

Fig. 4W-2

element **timer**


diagram						
used by	element mac					
attributes	Name	Type	Use	Default	Fixed	Annotation
	name	xsd:NMTOKEN	required			
	period	xsd:integer	required			
	ontimer	xsd:string	optional			
source	<pre><xsd:element name="timer"> <xsd:complexType> <xsd:attribute name="name" type="xsd:NMTOKEN" use="required"/> <xsd:attribute name="period" type="xsd:integer" use="required"/> <xsd:attribute name="ontimer" type="xsd:string" use="optional"/> </xsd:complexType> </xsd:element></pre>					

Fig. 4X

element **var**


diagram						
type	extension of xsd:string					
used by	element mac					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xsd:NMTOKEN	required			
	type	type	required			
source	<pre><xsd:element name="var"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="id" type="xsd:NMTOKEN" use="required"/> <xsd:attribute name="type" type="type" use="required"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element></pre>					

Fig. 4Y

element **video**


diagram						
used by	element page					
attributes	Name	Type	Use	Default	Fixed	Annotation
	x	x	required			
	y	y	required			
	width	width	required			
	height	height	required			
	channel	channel	optional			
source	<pre><xsd:element name="video"> <xsd:complexType> <xsd:attribute name="x" type="x" use="required"/> <xsd:attribute name="y" type="y" use="required"/> <xsd:attribute name="width" type="width" use="required"/> <xsd:attribute name="height" type="height" use="required"/> <xsd:attribute name="channel" type="channel" use="optional"/> </xsd:complexType> </xsd:element></pre>					

Fig. 4Z

simpleType **adtype**

type	restriction of xsd:string
used by	attribute ad/@adtype
facets	enumeration image enumeration text enumeration bitmap
source	<pre><xsd:simpleType name="adtype"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="image"/> <xsd:enumeration value="text"/> <xsd:enumeration value="bitmap"/> </xsd:restriction> </xsd:simpleType></pre>

Fig. 4AA

simpleType align

type	restriction of xsd:string
used by	attributes <u>button/@align</u> <u>text/@align</u> <u>select/@align</u>
facets	enumeration left enumeration center enumeration right
source	<pre> <xsd:simpleType name="align"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="left"/> <xsd:enumeration value="center"/> <xsd:enumeration value="right"/> </xsd:restriction> </xsd:simpleType> </pre>

Fig. 4BB

simpleType channel

type	restriction of xsd:integer
used by	attribute <u>video/@channel</u>
facets	minInclusive 0 maxInclusive 999
source	<pre> <xsd:simpleType name="channel"> <xsd:restriction base="xsd:integer"> <xsd:maxInclusive value="999"/> <xsd:minInclusive value="0"/> </xsd:restriction> </xsd:simpleType> </pre>

Fig. 4CC

simpleType height

type	restriction of xsd:integer
used by	attributes <u>ad/@height</u> <u>group/@height</u> <u>button/@height</u> <u>text/@height</u> <u>image/@height</u> <u>select/@height</u> <u>rect/@height</u> <u>video/@height</u>
facets	minInclusive 0 maxInclusive 480
source	<xsd:simpleType name="height"> <xsd:restriction base="xsd:integer"> <xsd:maxInclusive value="480"/> <xsd:minInclusive value="0"/> </xsd:restriction> </xsd:simpleType>

Fig. 4DD

simpleType layer

type	restriction of xsd:string
used by	attribute <u>image/@layer</u>
facets	enumeration foreground enumeration middle enumeration background
source	<xsd:simpleType name="layer"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="foreground"/> <xsd:enumeration value="middle"/> <xsd:enumeration value="background"/> </xsd:restriction> </xsd:simpleType>

Fig. 4EE

simpleType offsetx

type	restriction of xsd:integer
used by	attributes <u>button/@offsetx</u> <u>text/@offsetx</u>
facets	minInclusive 0 maxInclusive 480
source	<pre><xsd:simpleType name="offsetx"> <xsd:restriction base="xsd:integer"> <xsd:maxInclusive value="480"/> <xsd:minInclusive value="0"/> </xsd:restriction> </xsd:simpleType></pre>

Fig. 4FF

simpleType offsety

type	restriction of xsd:integer
used by	attributes <u>button/@offsety</u> <u>text/@offsety</u>
facets	minInclusive 0 maxInclusive 704
source	<pre><xsd:simpleType name="offsety"> <xsd:restriction base="xsd:integer"> <xsd:maxInclusive value="704"/> <xsd:minInclusive value="0"/> </xsd:restriction> </xsd:simpleType></pre>

Fig. 4GG

simpleType plane

type	restriction of xsd:string
used by	attribute <u>select/@plane</u>
facets	enumeration horizontal enumeration vertical
source	<pre><xsd:simpleType name="plane"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="horizontal"/> <xsd:enumeration value="vertical"/> </xsd:restriction> </xsd:simpleType></pre>

Fig. 4HH

simpleType style

type	restriction of xsd:integer
used by	attributes <u>navtemplate/@style</u> <u>ad/@style</u> <u>text/@style</u>
facets	enumeration 1 enumeration 2 enumeration 3 enumeration 4 enumeration 5 enumeration 6
source	<pre><xsd:simpleType name="style"> <xsd:restriction base="xsd:integer"> <xsd:enumeration value="1"/> <xsd:enumeration value="2"/> <xsd:enumeration value="3"/> <xsd:enumeration value="4"/> <xsd:enumeration value="5"/> <xsd:enumeration value="6"/> </xsd:restriction> </xsd:simpleType></pre>

Fig. 4II

simpleType type

type	restriction of xsd:string
used by	attribute <u>var/@type</u>
facets	enumeration string enumeration int
source	<pre><xsd:simpleType name="type"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="string"/> <xsd:enumeration value="int"/> </xsd:restriction> </xsd:simpleType></pre>

Fig. 4JJ

simpleType valign

type	restriction of xsd:string
used by	attributes <u>button/@valign</u> <u>text/@valign</u> <u>select/@valign</u>
facets	enumeration top enumeration middle enumeration bottom
source	<pre><xsd:simpleType name="valign"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="top"/> <xsd:enumeration value="middle"/> <xsd:enumeration value="bottom"/> </xsd:restriction> </xsd:simpleType></pre>

Fig. 4KK

simpleType value

type	restriction of xsd:string
used by	attribute <u>color/@value</u>
facets	maxLength 9 pattern #?[0-9a-fA-F]{6,8}
source	<pre><xsd:simpleType name="value"> <xsd:restriction base="xsd:string"> <xsd:maxLength value="9"/> <xsd:pattern value="#?[0-9a-fA-F]{6,8}" /> </xsd:restriction> </xsd:simpleType></pre>

Fig. 4LL

simpleType width

type	restriction of xsd:integer
used by	attributes <u>ad/@width</u> <u>group/@width</u> <u>button/@width</u> <u>text/@width</u> <u>image/@width</u> <u>select/@width</u> <u>rect/@width</u> <u>video/@width</u>
facets	minInclusive 0 maxInclusive 704
source	<pre><xsd:simpleType name="width"> <xsd:restriction base="xsd:integer"> <xsd:maxInclusive value="704"/> <xsd:minInclusive value="0"/> </xsd:restriction> </xsd:simpleType></pre>

Fig. 4MM

simpleType x

type	restriction of xsd:integer
used by	attributes <u>ad/@x group/@x radio/@x checkbox/@x button/@x text/@x image/@x select/@x rect/@x video/@x</u>
facets	minInclusive -704 maxInclusive 1408
source	<xsd:simpleType name="x"> <xsd:restriction base="xsd:integer"> <xsd:maxInclusive value="1408"/> <xsd:minInclusive value="-704"/> </xsd:restriction> </xsd:simpleType>

Fig. 4NN

simpleType y

type	restriction of xsd:integer
used by	attributes <u>ad/@y group/@y radio/@y checkbox/@y button/@y text/@y image/@y select/@y rect/@y video/@y</u>
facets	minInclusive -480 maxInclusive 960
source	<xsd:simpleType name="y"> <xsd:restriction base="xsd:integer"> <xsd:maxInclusive value="960"/> <xsd:minInclusive value="-480"/> </xsd:restriction> </xsd:simpleType>

Fig. 400